



**IN THE UNITED STATES**  
**PATENT AND TRADEMARK OFFICE**

Applicant: **Shuo-Yen Robert Li**

Case: **21**

Serial No. **09/882,410**

Filed: **June 15, 2001**

Group Art Unit:

Examiner:

**Title of Invention:   PHYSICAL IMPLEMENTATION OF SWITCHING  
FABRICS CONSTRUCTED FROM RECURSIVE 2-STAGE  
INTERCONNECTION**

**THE COMMISSIONER OF PATENTS AND TRADEMARKS  
WASHINGTON, D.C. 20231**

**SIR:**

**PRELIMINARY AMENDMENT**

Enclosed is a Preliminary Amendment in the above-identified application.  
Please amend the application as follows.

In the Specification:

Replace pages 8 and 9 with the following:

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-- SUMMARY OF THE INVENTION

The shortcomings of the prior art, as well as other limitations and deficiencies, are obviated in accordance with the present invention by applying algebraic principles to the physical realization of a large switching fabric based upon contemporary technologies.

In accordance with a broad system aspect of the present invention, a switch based upon a plurality of opto-electrical-physical implementation levels includes:

#3/A  
L. M. L. Anelli  
10-22-01  
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A1  
CST.



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WASHINGTON, D.C. 20231**

**SIR:**

Enclosed is a Preliminary Amendment in the above-identified application.

No additional fee is required based on the calculation below for a **small entity**:

**CLAIMS AS AMENDED**

	CLAIMS REMAINING AFTER AMENDMENT	CLAIMS PREVIOUSLY PAID FOR	EXTRA	RATE	ADDITIONAL FEE
Total Claims	20	20	0	\$9.00	\$ 0.00
Indep. Claims	5	5	0	\$40.00	\$ 0.00

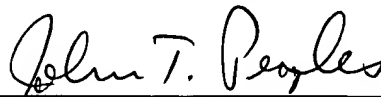
Multiple Claims First Presented with this Amendment = 0	\$0
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**Total: \$0.00**

Also enclosed herewith for filing in connection with the enclosed application are:

**XX** Return Postcard

Respectfully submitted,



John T. Peoples (Reg. No. 28,250)  
14 Blue Jay Ct.  
Warren, NJ 07059  
(908) 580-9816

Date: 9-8-01

Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited by me on  
9-8-01 with the United States Postal Service with sufficient  
postage as first-class mail in an envelope properly addressed to Assistant Commissioner  
for Patents, Washington, DC 20231.

9-8-01  
Date of Certificate

John T. Peoples  
John T. Peoples